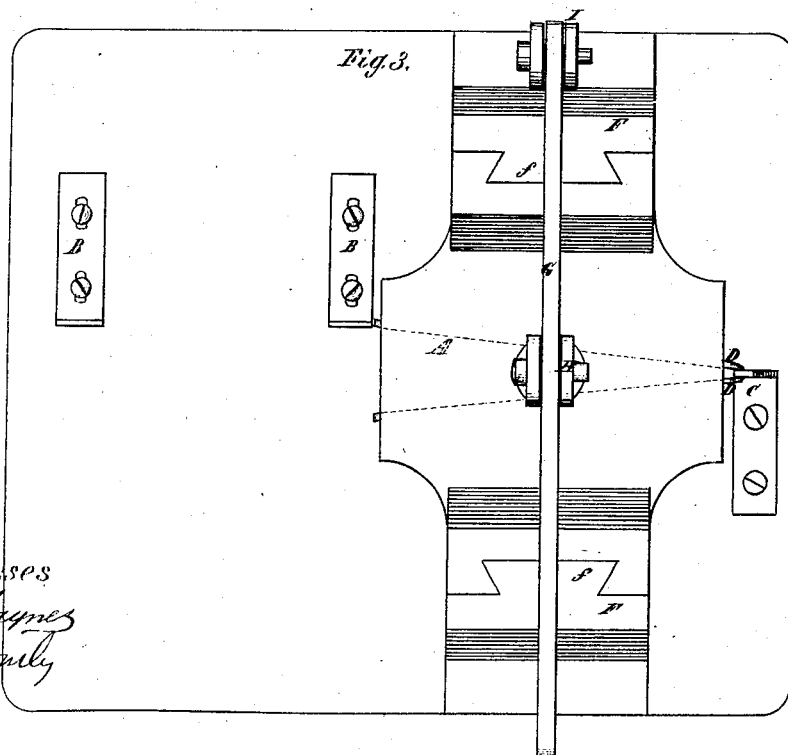
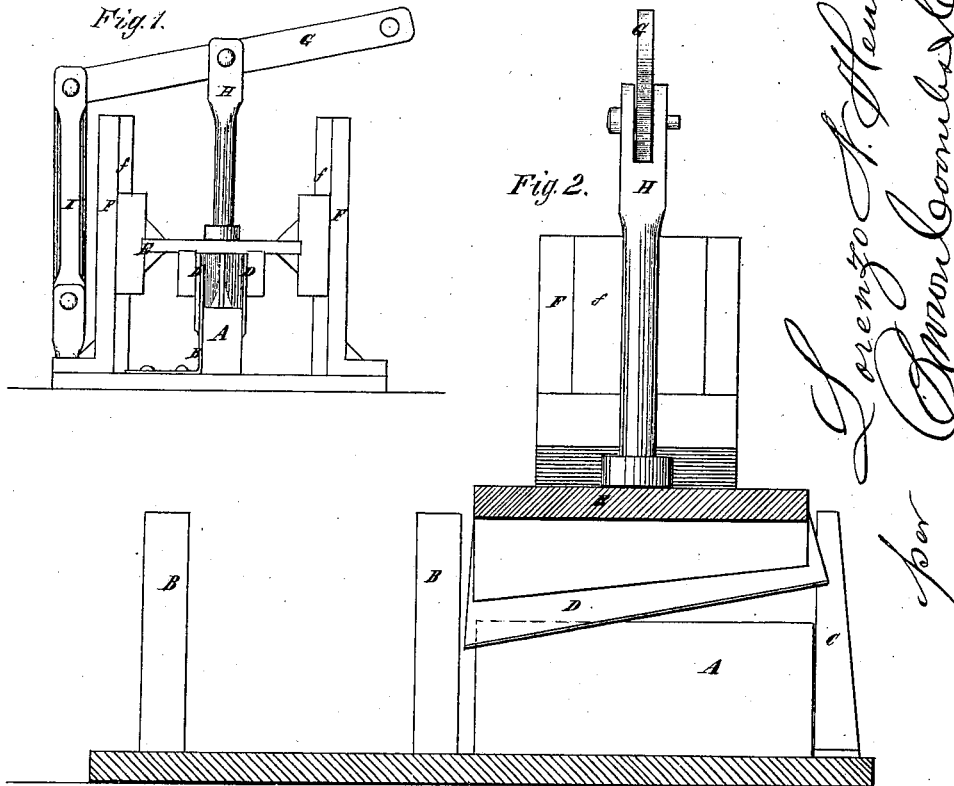
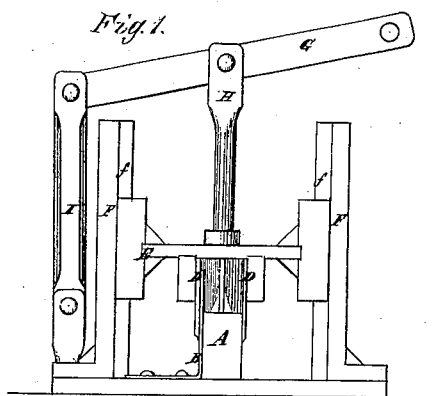


110462

Lorenzo N. Hewes PATENTED DEC 27 1870

Imp'd. Machine for Cutting the Ends of Hoops



Witnesses  
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# United States Patent Office.

LORENZO N. HEWES, OF SWANSEY, NEW HAMPSHIRE.

Letters Patent No. 110,462, dated December 27, 1870.

## IMPROVEMENT IN MACHINES FOR CUTTING THE ENDS OF HOOPS.

The Schedule referred to in these Letters Patent and making part of the same.

### To all whom it may concern:

Be it known that I, LORENZO N. HEWES, of Swansey, in the county of Cheshire and State of New Hampshire, have invented a new and improved Machine for Cutting the Ends of Barrel or other Hoops; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of this specification

This invention consists in a machine for sharpening barrel-hoops in one operation, the principal elements of which are a tapering bed on which the hoop is placed, and a pair of shear-like knives inclined toward each other at their rear ends so as to conform with the sides of the bed, and secured to a sliding stock which is operated by a lever.

In the accompanying drawing—

Figure 1 is a front view of a machine constructed according to my invention;

Figure 2 is a partly sectional side view of the same; and

Figure 3 is a plan or top view thereof.

Similar letters of reference indicate corresponding parts in the several figures.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawing.

A is the bed of the machine, the face of which tapers off in a rearward direction, as shown by the dotted lines in fig. 3.

B B are two standards, which are arranged in front of one corner of the bed, in a line at right angles to the end thereof, and form guides for the entrance of the hoop.

At the rear end of the bed A is another standard, C, which forms a stop to prevent the hoop from extending beyond the bed.

The knives D D are arranged in a sliding block, E, with their edges inclined toward each other in a rearward direction, to conform with the tapering sides of the bed A, and tapered upward to give them a shear-like action.

The stock E slides on dovetailed tongues *ff* on the frame F F, and is operated by the lever G pivoted to a rod, H, thereon, and having its fulcrum in a post, I, which is hinged to one of the side pieces F of the frame, and is capable of adjusting itself to the throw of the lever G.

The hoop to be sharpened is placed on the bed A, with its end adjusted to stop C and with its side resting against the guides B B.

The knives D D are then forced down by the lever G, and the hoop sharpened at one operation.

The guides B B are so arranged that they may be adjusted to one side or the other for any width of hoop.

What I claim as my invention, and desire to secure by Letters Patent, is—

The knives D D, arranged with their rear ends inclined toward each other in the sliding stock E, which is operated by the lever G, in combination with the tapering bed A, substantially as and for the purpose herein described.

LORENZO N. HEWES.

Witnesses:

STEPHEN FAULKNER,  
ORLANDO FRINK.